



YENEPOYA
INSTITUTE OF TECHNOLOGY

Yenepoya Institute of Technology

NH-13, Thodar, Moodbidri – 574 225, Mangaluru, D.K.

(Sponsored by Islamic Academy of Education)

Recognized by AICTE, Approved by Govt. of Karnataka, Affiliated to VTU, Belagavi

Ph: 08258-262733/262713, Fax: 08258-262723

Ref.No.: YIT/VTU/2026/1320

Date: 15/9/2026



Respected Sir,

Sub: Request to include the Skill Centre of our college in the list published on the website of VTU.

This is to bring to your kind notice that we have Skill Centre approved by VTU, the details of which is furnished below. We request you to kindly include the Skill Lab facilities in the list published on the University website.

Name of the Special Skill Lab/s	Centre for Advanced Computing Centre for Professional and Skill Development Robotics and Automation Lab Centre for PLC & Automation CADD lab Impelsys Software Training Centre Centre for VLSI Design
---------------------------------	---

08258-272733

* 9844526585 / 7349640840

RECEIVED AT THE
OFFICE OF THE REGISTRAR

16 SEP 2026

PRINCIPAL

YENEPOYA INSTITUTE OF TECHNOLOGY
N.H.13, THODAR, MIJAR – 574 225
MANGALORE TALUK, D.K.



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

"ಜ್ಞಾನ ಸಂಗಮ". ಬೆಳಗಾವಿ-೫೯೦೦೧೮, ಕರ್ನಾಟಕ, ಭಾರತ

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama" Belagavi-590018, Karnataka, India

SKILL LAB FEES (OPTIONAL).

Region	: 4
College Code	: DM
College	: YENEPOYA INSTITUTE OF TECHNOLOGY MOODBIDRI
Skill Lab Fees	: Upto Rs. 10000/- (2021-2022)
	: Upto Rs.10000/- (2022-2023)



Ref.No.: YIT/NISC/2021/1411

Date: 8/10/2021

To,

The Registrar,
Visvesvaraya Technological University
Jnana Sangama Campus
Belagavi – 590 018.

Sir,

Sub : Submission of details & documents in prescribed format for optional fees to be collected related to skill labs.

Ref : Circular No: VTU/PS/2021 - 22 /2939, dated 05/10/2021.

As per the above subject & reference we are hereby submitting the details of laboratories, learning sessions & expected outcomes as per the prescribed format. We are also submitting documents related to multidisciplinary skill lab, special labs on engineering technologies / topics & advanced level industry connects.

We wish to avail the benefit of Rs. 20,000/- as optional fees to be collected for providing additional skill training.

Kindly do the needful & oblige.

Thanking you,

Yours truly,


PRINCIPAL
YENEPOYA INSTITUTE OF TECHNOLOGY
N.H.13, THODAR, MIJAR – 574 225
MANGALORE TALUK , D.K

Encl: MOU with various Industries

Name of the College		YENEPOYA INSTITUTE OF TECHNOLOGY		
Region of the College		Mysuru		
College address with Landline No.		NH-13,MIJAR,THODAR,MOODBIDRI-574225 Landline :08258-262713		
Year of Establishment		2008		
Accreditation status:	NBA	APPLIED-AWAITING VISIT		
	NAAC	NOT APPLIED		
Name of the Principal with Mob. No. and E-mail Id.		Dr.R.G.D'Souza Mob:9845136057 E-mail:principal@yit.edu.in		
Name of the Special Skill Lab/s		Centre for Advanced Computing Centre for Professional and Skill development Robotics and Automation lab Centre for PLC & Automation CADD lab Impelsys Software Training centre		
Lab area (in sq mtr)		1076sft+1000sq.ft +900sqft +900sqft +2152sqft 2045sqft		
Internet connectivity speed (Apart from regular Internet speed required as per the AICTE Guidelines)		50-mbps(Airtel) 12-mbps(BSNL)		
Name of the Experts or Faculty member/s identified to train students with their specializations.		Prof.Deeksha K R-M.Tech(CSE) Prof. Shashank M.Gowda M.Tech(VLSI & ES) Prof.Praveen G B. M.Tech (Comp.Applications in ID) Prof.Anfaz Mukkaram. M.Tech(Thermal) Prof Jaganesh G C. M.Tech (Product Design) Mr.Dipendu Mishra (MBA)		
Name of the Industries (if connected), MoUs		ATS Infotech Pvt. Ltd,New Delhi IITB spoken tutorial SMEC Automation Pvt.Ltd ,Ernakulam Invihub Technosolutions Pvt. Ltd., Bengaluru. Ellence Design LLP Spectra Advanced Engg and MEP Livewire-CADD Training Centre Impelsys Inc		
Details of Equipment/Facilities:		Centre For Advanced Computing		
		CORE i5 ,16GB RAM,1TB	30nos	
		HDD,21.5" MONITOR		
		15KV UPS ASSEMBLED	01 no	
		Centre For Professional And Skill Development		
		CORE i5 ,8GB RAM,1TB		
		HDD, 18.5" MONITOR	30 nos	
		6KV UPS ASSEMBLED	01 no	
		Robotics and Automation lab		
		Sl. No.	Components	Quantity
1.	CRO	5		
2.	Digital Multimeter	5		
3.	Rework station	5		

4.	Bread board	10
5.	Dual Channel Power supply	10
6.	DC Motor	10
7.	Stepper Motor	10
8.	Servo Motor	4
9.	BO Motors	4
10.	Wheels	4
11.	Castor Wheel	2
12.	8051 Microcontroller development kit	5
13.	Burner kit	5
14.	Arduino Starter Kit	3
15.	DHT11	1
16.	Robot Development kit	1+2
17.	IR sensor	1
18.	Sensor Kit	2
19.	Ultra-sonic sensor HCSR-04	2
20.	Connecter 40 pin male	10
21.	PIR motion sensor	1
22.	Dot matrix display	2
23.	Screw Driver set	2
24.	IR Remote module	1
25.	Arduino Mega	2
26.	Arduino UNO	5
27.	Arduino Pro Mini	5
28.	Raspberry Pi 3	1
29.	Glue Gun	3
30.	Glue Stick	15
31.	Dot Matrix board	20
32.	De- soldering strips	5
33.	Wire cutter	3
34.	Wire splitter	3
35.	LED	75
36.	Jumper wire	120
37.	9V Battery	10
38.	2 Channel 5V Relay	4
39.	Cutting mat	1
40.	IC 7805	5
41.	IC 7808	5
42.	Plastic Container set	1
43.	Cutting Knife	1
44.	3D Printer	1
45.	3D Printing Filament 1Kg Each	10
46.	Personal Computers	4
47.	UPS	5

Centre for PLC & Automation

Sl. No.	Components	Quantity
1.	Regulated Power Supply (0-30V)	03 No's
2.	Function Generator -0-30V,3MHz	01 No
3.	Tool Kit – Screw Driver Set	1 Set
4.	Wire Stripper	02
5.	Cutting Plier	03
6.	Nose Plier	02
7.	Rechargeable Battery	02 No

	8.	Motors 12V	05 No						
	9.	Tachometer	01 No						
	10.	Personal Computers	2						
	11.	UPS	2						
	<table><tr><td colspan="2">CADD CENTRE</td></tr><tr><td>AMD RYZEN 3, 4GB RAM, 1TB HDD,21" MONITOR</td><td>60 nos</td></tr><tr><td>15KV UPS NUMERIC</td><td>01 no</td></tr></table>			CADD CENTRE		AMD RYZEN 3, 4GB RAM, 1TB HDD,21" MONITOR	60 nos	15KV UPS NUMERIC	01 no
CADD CENTRE									
AMD RYZEN 3, 4GB RAM, 1TB HDD,21" MONITOR	60 nos								
15KV UPS NUMERIC	01 no								
Name of the Person Incharge with Mob. No. and E-mail Id.	Prof.Deeksha K R 8217454877- deeksha@yit.edu.in Mr. Nithin Jose 81390 49777- coordination@smecclabs.org Prof. Shashank M Gowda 9036524934- shashank@yit.edu.in Prof.Praveen G B. M.Tech (Comp.Applications inID) 8147120152- praveengb@yit.edu.in Prof.Anfaz Mukkaram. M.Tech(Thermal) 9946049404- anfasmukram@yit.edu.in Prof Jaganesh G C. M.Tech (Product Design) 9164585263- jaganesh@yit.edu.in Mr.Dipendu Mishra (MBA) 9836818735- dipendu.mishra@impelsys.com								
The contents taught within the syllabus	ATTACHED SEPARATE SHEET								
The contents taught beyond the syllabus	ATTACHED SEPARATE SHEET								
What are the desirable outcomes. (learning that students would be getting)	ATTACHED SEPARATE SHEET								
Total Investment done by the Institute. (Rs.)	Recurring	Non-recurring							
	1.2lakhs	90Lakhs							
Annual fees proposed by the institute (Rs. 10,000/-, Rs. 15,000/-, Rs. 20,000/- or Lesser	20,0000/-								
Enclose photographs of the facilities	ENCLOSED SEPARATELY								


Signature of the Principal/Director
YENEPOYA INSTITUTE OF TECHNOLOGY
 N.H.13, THODAR, MIJAR - 574 225
 MANGALORE TALUK, D.K

Recommendations of the Scrutiny Committee	
---	--

MICROSOFT CERTIFICATION	
The contents taught within the syllabus	Introduction to programming using Python
The contents taught beyond the syllabus	Advanced programming
What are the desirable outcomes.(learning that students would be getting)	Practical knowledge, Proficiency in programming languages

EDX CERTIFICATION	
The contents taught within the syllabus	Basics of Python programming
The contents taught beyond the syllabus	AI for Everyone: Master The Basics AWS IOT: Developing And Deploying An Internet Of Things Electric Cars: Technology Python Basics For Data Science

IITB SPOKEN TUTORIAL	
The contents taught within the syllabus	Beginners of programming
The contents taught beyond the syllabus	Python Programming Latex Mobile Application Development Java QCAD SIM Aurdino
What are the desirable outcomes.(learning that students would be getting)	Practical knowledge, Proficiency in programming languages

Center for Robotics and Automation	
The contents taught within the syllabus	1. Basics of electronics components 2. Reading schematics (electronics diagrams) 3. Prototype circuits using Proto-board 4. Introduction to embedded system 5. Overview of analog electronics and digital electronics 6. Microcontroller vs. Microprocessor 7. Common features of Microcontroller. 8. Comparison between the two 9. Different types of microcontrollers.
The contents thought beyond the syllabus	1. 3D Printing and its applications. 2. PCB Design and manufacturing process. 3. Design and Development of 6 Degree of freedom 3D Printed robotic arm. 4. Design and Development of 3D Printed Prosthetic Arm. 5. 3D Modeling. 6. Design and Development of Quad copters.
What are the desirable outcomes	➔ Learn the basics of electronics, including reading schematics (electronics diagrams). ➔ Learn how to prototype circuits with a breadboard. ➔ Learn the Arduino programming language and IDE. ➔ Program basic Arduino examples. ➔ Prototype circuits and connect them to the Arduino ➔ Learn how robotic arm works, and how to interface the electronic component to make it work. ➔ Learn how to develop a quad copter from the scratch. ➔ Learn how to make use of the 3D Printer to convert the 3D designed model to a physical product.

Centre for PLC & Automation	
The contents taught within the syllabus	1. Introduction to Electrical Wiring 2. Basic Electrical Circuits / Drawings 3. Relays 4. Circuit designing using Relays 5. Relay Wiring 6. Introduction to Industrial Automation 7. Automation Tools 8. PLC Architecture 9. Programming Languages 10. Ladder Diagram 11. Implementation on Logic Gates 12. Rules for Programming 13. Latching and Unlatching
The contents thought beyond the syllabus	1. Basic understanding of both the hardware and software PLCs, and SCADAs. 2. Develop basics programming skills electrical concepts for safer panels and troubleshooting procedures 3. Major PLC Brands which will be taught in this training are: Allen Bradley, Siemens, ABB, Schneider Electric, Delta and Omron. 4. Major SCADA Brands which will be taught in this training are: Intouch and iFIX. 5. VFD used: Schneider Electric Altivar.
What are the desirable outcomes	➔ Knowledge of electrical materials/equipment's ➔ Understand and analyze the building wiring drawings. ➔ Learn how to draw electrical drawings in AutoCAD tool. ➔ Learn how to estimate different types of building wiring (MEP projects). ➔ Residential and commercial building wiring design and estimation. ➔ Learn how to design Coordination drawings. ➔ Selection of electrical materials for suitable applications. ➔ Learn to prepare project design brief report. ➔ Builds confidence in maintaining your PLC ➔ Fundamental troubleshooting ➔ Locate, analyze and rectify faults associated with the PLC controller

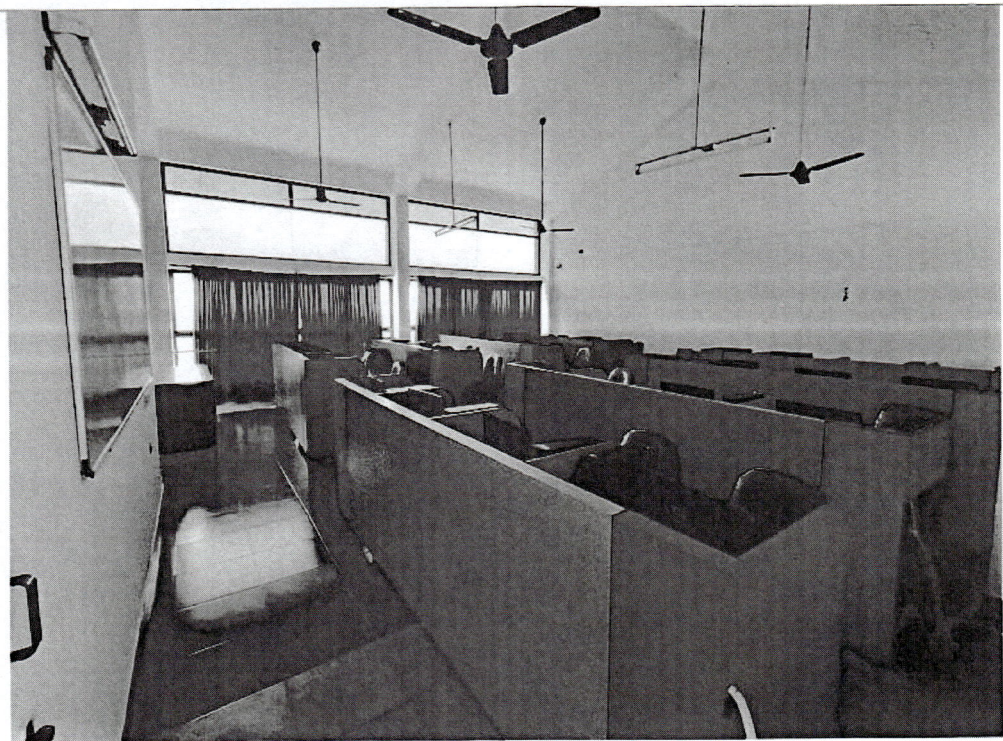
Spectra Advanced Engg & MEP	
The content thought within the syllabus	1. Basics of Thermodynamics and its applications 2. Basics of heat transfer and its applications 3. Working of air conditioning systems and working cycles 4. Heat transfer through a composite wall 5. Vapor compression and vapor absorption refrigeration systems 6. Types and working of air compressors 7. Types and desirable properties of refrigerants 8. Environmental impacts and selection of refrigerants for industrial applications
The content thought beyond the syllabus	1. Properties of Air 2. Heat Load Estimation using Standards and Excel Sheets & Software. 3. Practical Air Conditioning Systems • Split Units • Ductable Units • Packaged Units • VRF Systems • Chilled Water Systems 4. Air Distribution System • Ducting – An Overview • Duct Routing, Sizing & Standards • Duct Design • Insulations 5. Ventilation Systems • Basics • Kitchen Ventilation • Toilet Ventilation • Car Park Ventilation • Smoke Management Ventilation by Pressurisation & Smoke Extract 6. Green buildings and design considerations
What are the desirable outcomes	• Learn the basic applications of heat transfer in buildings. • Learn to design an air conditioning system appropriate for the selected buildings • Learn to choose proper refringent for building cooling applications. • Learn to calculate heat load for buildings with standard software used in industries • Learn to design proper ventilation system for buildings • Learn the environmental impacts of building cooling.

CADD LAB –LIVEWIRE

The content thought within the syllabus	1. Basics of engineering drawing. 2. Basics of engineering design 3. Standard procedures used for engineering design 4. Use of design data handbook. 5. Material selection for design 6. Limits, fits and tolerances used for part design 7. Failure theories and factor of safety in design. 8. Static and dynamic analysis
The content thought beyond the syllabus	1. Design software – Basic tools used for engineering design 2. Analysis using computer-oriented software 3. Static and dynamic system modelling 4. Computer aided manufacturing 5. Project management
What are the desirable outcomes	• Learn the applications software tools in design • Learn to design and assemble machine parts. • Learn to choose proper material for machine and building • Learn to calculate tolerances and choose a proper fit for mating machine parts. • Learn to analyse various static and dynamic forces acting on machine parts. • Learn to manage the projects in a minimum cost way. • Learn the software and procedure for computer oriented manufacturing.



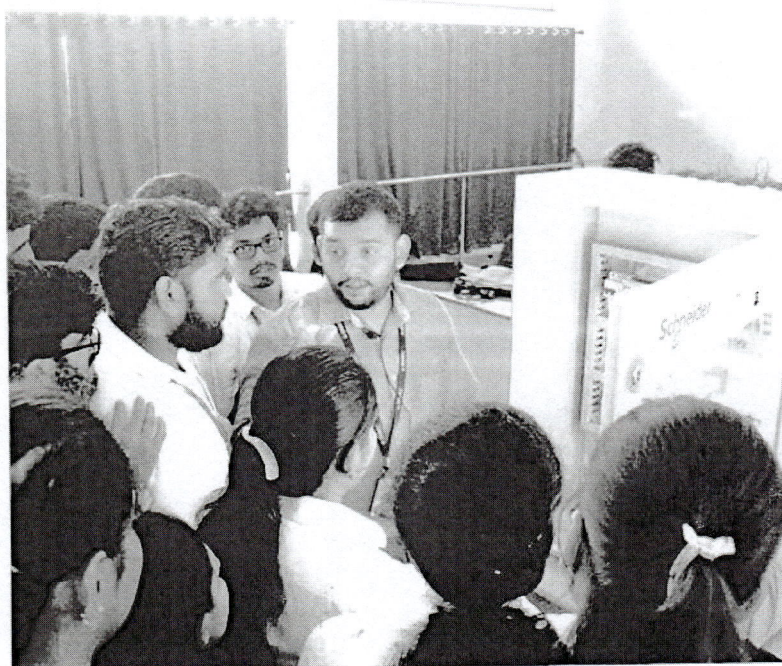
Centre For Advanced Computing



Centre For Professional And Skill Development



Robotics and Automation lab



Centre for PLC & Automation



Impelsys Software Training centre



CADD LAB